

Earthquake fault and "severely damaged zone" in Mashiki Town and Minami-Aso Village.

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The 2016 Kumamoto earthquake occurred by rejuvenation of the Futakawa-Hinagu fault. In the vicinity of the Futagawa-Hinagu fault, severe damage was concentrated. In Makishi Town, where high seismic intensities were recorded on April 14th and 16th, numerous buildings collapsed during the earthquake on April 16th. The "severely damaged zone" approximately less than 1 km in width, trended in the east-west direction. In Minami-Aso village, several earthquake faults were discovered, and almost all of the buildings located on these faults collapsed. At least five cars overturned onto their sides in the north to northward direction. Such phenomenon had not been observed before in Japan. It is very important to specify the area where the seismic intensity could reach 7 for disaster prevention. The location and the characteristics of active faults are the most important and indispensable informations.

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